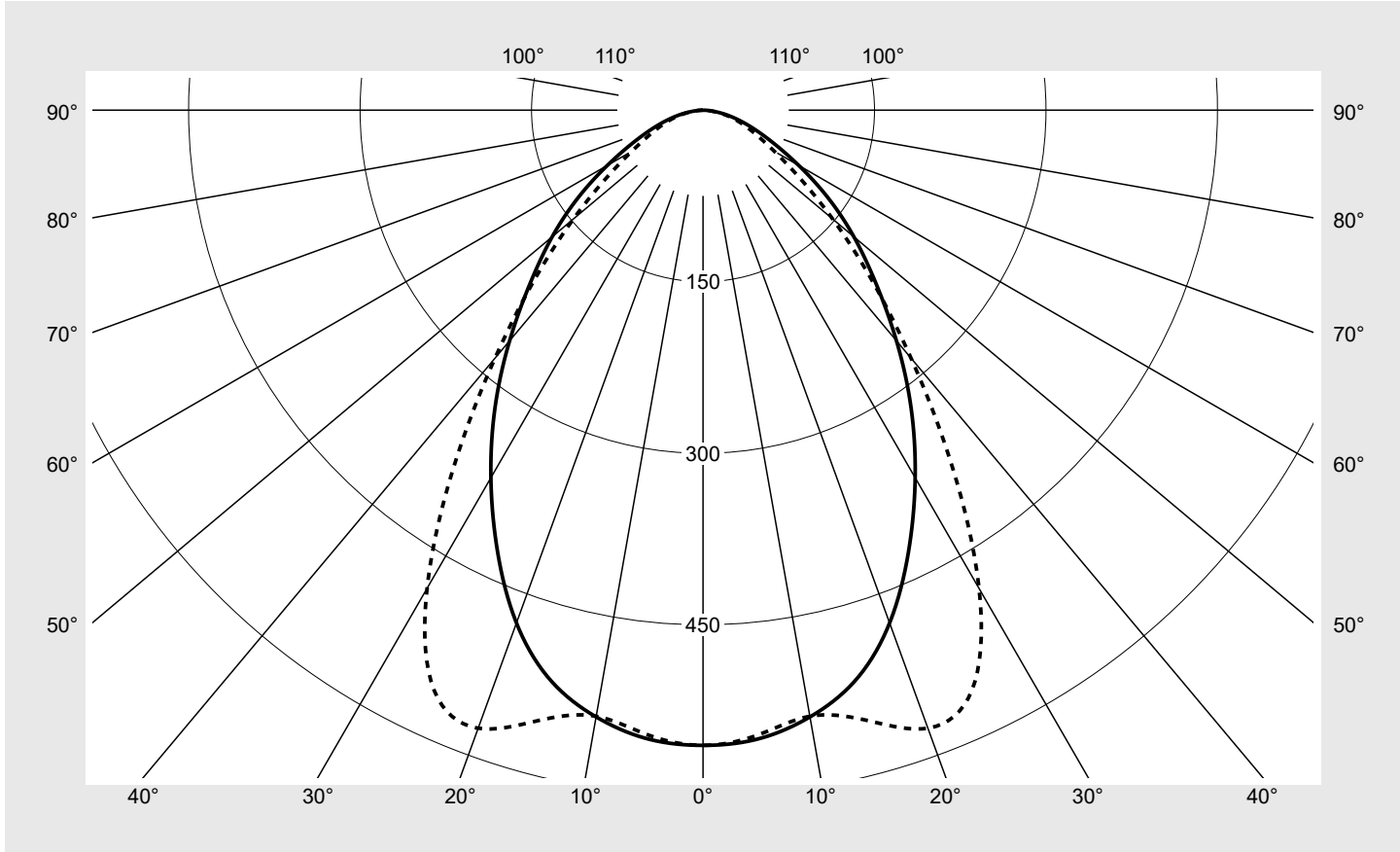


Photometric test report

| | | |
|--|---|---|
| Family Licross® 11 Recessed | Order number: 51TL12MV4HXM EAN: 4058352922514 | LP number 58689_139 |
|  | Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 17260 lm Power consumption = 89.2 W Luminous efficacy = 193.5 lm/W | serial documentation 11.10.2023 |
| | |  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 575 cd/klm**



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 5 0 |
| CIE | N1=66 N2=91 N3=98 N4=100 N5=100 |

| Luminaire light output ratios | |
|-------------------------------|--------|
| η_{LB} | 100.0% |
| ϕ_u | 100.0% |
| ϕ_o | 0.0% |

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

| | | |
|---|--|--------------------------------------|
| Family Licross® 11 Recessed | Order number: 51TL12MV4HXM EAN: 4058352922514 | LP number 58689_139 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | sITeco |

| C-planes γ | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-zone | Total Phi-zone |
|------------------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| Luminous intensity in cd/klm | | | | | | | Luminous flux in lm/klm | | |
| 0° | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 | 3.3 | 3.3 |
| 5° | 551.9 | 549.3 | 545.0 | 546.0 | 548.1 | 548.0 | 548.5 | 26.2 | 29.5 |
| 10° | 538.7 | 535.0 | 528.7 | 529.1 | 532.7 | 535.9 | 538.2 | 50.8 | 80.3 |
| 15° | 515.9 | 510.9 | 504.6 | 513.1 | 530.5 | 544.7 | 552.3 | 74.2 | 154.5 |
| 20° | 477.2 | 471.4 | 470.1 | 497.6 | 537.0 | 563.7 | 575.1 | 95.8 | 250.2 |
| 25° | 425.5 | 419.5 | 426.9 | 469.4 | 521.2 | 548.6 | 558.0 | 111.1 | 361.3 |
| 30° | 371.2 | 364.3 | 378.4 | 421.3 | 459.9 | 477.2 | 482.9 | 115.5 | 476.8 |
| 35° | 317.2 | 309.8 | 328.6 | 357.7 | 367.8 | 374.7 | 379.7 | 109.4 | 586.2 |
| 40° | 263.2 | 255.5 | 280.4 | 291.4 | 277.2 | 277.7 | 283.1 | 97.2 | 683.4 |
| 45° | 213.7 | 204.0 | 230.1 | 230.5 | 202.8 | 200.2 | 207.0 | 82.5 | 765.9 |
| 50° | 172.3 | 160.2 | 177.2 | 176.6 | 149.6 | 143.3 | 148.0 | 67.7 | 833.6 |
| 55° | 133.3 | 121.6 | 126.4 | 129.1 | 111.8 | 101.0 | 103.0 | 53.0 | 886.6 |
| 60° | 96.7 | 87.9 | 85.2 | 90.2 | 83.1 | 71.0 | 72.1 | 39.7 | 926.3 |
| 65° | 67.7 | 61.0 | 56.3 | 61.1 | 60.5 | 50.8 | 52.1 | 29.0 | 955.3 |
| 70° | 46.9 | 41.7 | 36.5 | 40.2 | 42.1 | 36.4 | 38.1 | 20.6 | 975.8 |
| 75° | 30.9 | 26.7 | 22.6 | 25.0 | 27.1 | 24.7 | 26.6 | 13.7 | 989.5 |
| 80° | 17.8 | 14.8 | 12.0 | 13.1 | 14.7 | 14.1 | 15.6 | 7.7 | 997.1 |
| 85° | 6.6 | 5.4 | 4.4 | 4.8 | 5.3 | 5.4 | 5.9 | 2.9 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

Photometric test report

| | | |
|---------------------------------------|--|-------------------------------|
| Family Licross® 11 Recessed | Order number: 51TL12MV4HXM EAN: 4058352922514 | LP number 58689_139 |
|---------------------------------------|--|-------------------------------|

| | | |
|------------------|----------------------|---------------|
| UGR-Table | Standard room | siteco |
|------------------|----------------------|---------------|

| | | | | | | | | | | | |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| Reflection factor of ceiling | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| Reflection factor of walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| Reflection factor of floor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | View crosswise (C0) | | | | | View endwise (C90) | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 23.4 | 24.9 | 23.7 | 25.2 | 25.5 | 22.8 | 24.3 | 23.2 | 24.6 | 25.0 |
| | 3H | 24.1 | 25.4 | 24.5 | 25.8 | 26.1 | 23.4 | 24.7 | 23.8 | 25.1 | 25.4 |
| | 4H | 24.4 | 25.6 | 24.8 | 26.0 | 26.3 | 23.7 | 24.9 | 24.1 | 25.3 | 25.6 |
| | 6H | 24.6 | 25.7 | 25.0 | 26.1 | 26.5 | 23.9 | 25.0 | 24.3 | 25.4 | 25.8 |
| | 8H | 24.7 | 25.8 | 25.2 | 26.1 | 26.5 | 24.0 | 25.0 | 24.4 | 25.4 | 25.8 |
| | 12H | 24.8 | 25.7 | 25.2 | 26.1 | 26.5 | 24.1 | 25.0 | 24.5 | 25.4 | 25.8 |
| 4H | 2H | 23.7 | 24.9 | 24.1 | 25.3 | 25.7 | 23.3 | 24.5 | 23.7 | 24.9 | 25.2 |
| | 3H | 24.5 | 25.5 | 24.9 | 25.9 | 26.3 | 24.0 | 25.1 | 24.5 | 25.5 | 25.9 |
| | 4H | 24.9 | 25.8 | 25.3 | 26.2 | 26.6 | 24.4 | 25.3 | 24.8 | 25.7 | 26.2 |
| | 6H | 25.2 | 25.9 | 25.6 | 26.4 | 26.8 | 24.7 | 25.5 | 25.1 | 25.9 | 26.4 |
| | 8H | 25.3 | 26.0 | 25.7 | 26.4 | 26.9 | 24.8 | 25.5 | 25.2 | 25.9 | 26.4 |
| | 12H | 25.3 | 26.0 | 25.8 | 26.4 | 26.9 | 24.8 | 25.5 | 25.3 | 25.9 | 26.4 |
| 8H | 4H | 25.0 | 25.7 | 25.4 | 26.1 | 26.6 | 24.5 | 25.2 | 25.0 | 25.7 | 26.2 |
| | 6H | 25.3 | 25.9 | 25.8 | 26.3 | 26.9 | 24.9 | 25.5 | 25.4 | 25.9 | 26.4 |
| | 8H | 25.4 | 25.9 | 25.9 | 26.4 | 26.9 | 25.0 | 25.5 | 25.5 | 26.0 | 26.5 |
| | 12H | 25.5 | 25.9 | 26.0 | 26.4 | 27.0 | 25.1 | 25.5 | 25.6 | 26.0 | 26.6 |
| 12H | 4H | 25.0 | 25.6 | 25.5 | 26.1 | 26.6 | 24.5 | 25.1 | 25.0 | 25.6 | 26.1 |
| | 6H | 25.3 | 25.8 | 25.8 | 26.3 | 26.8 | 24.9 | 25.4 | 25.4 | 25.9 | 26.4 |
| | 8H | 25.4 | 25.9 | 26.0 | 26.4 | 26.9 | 25.0 | 25.5 | 25.6 | 26.0 | 26.5 |

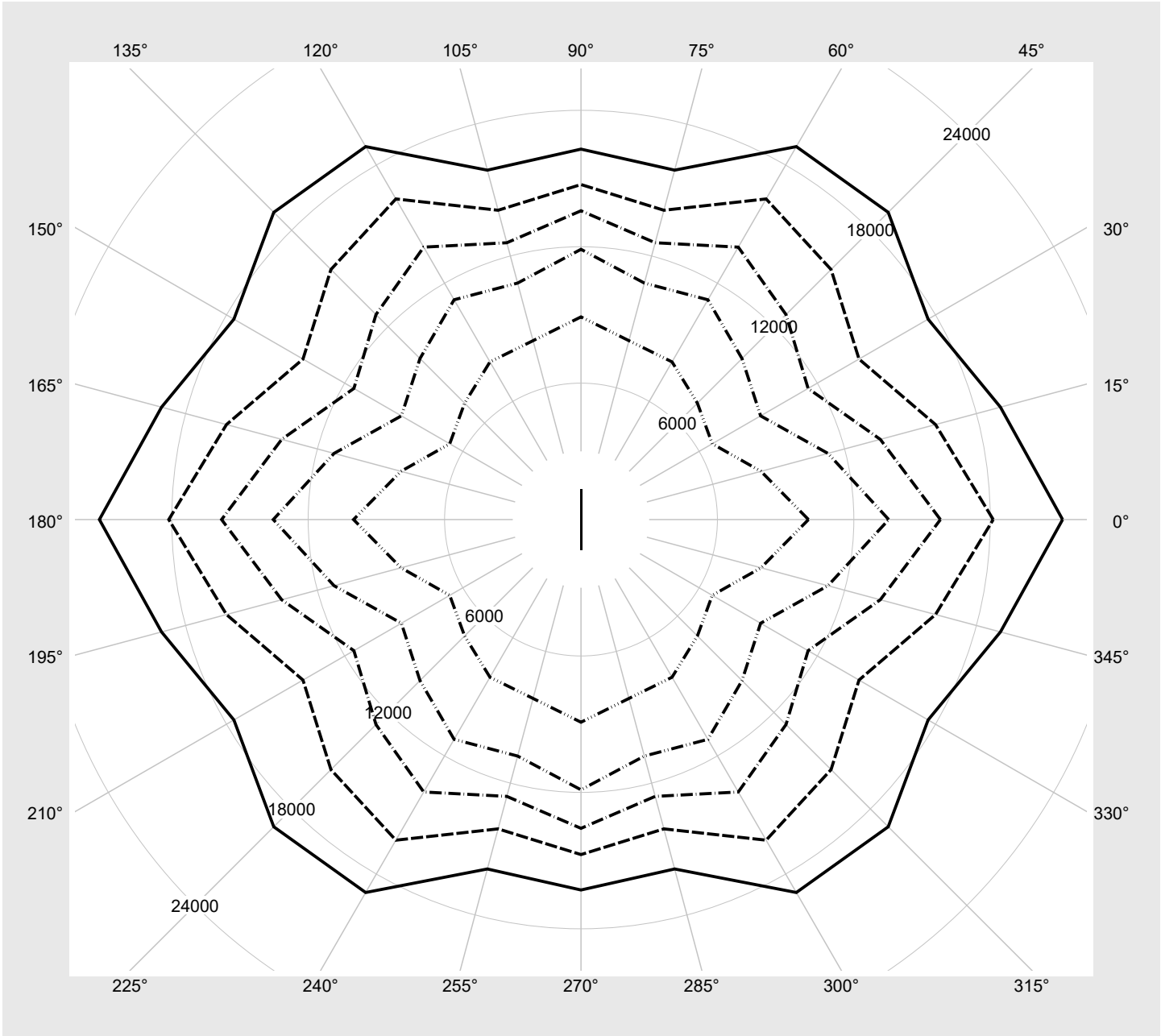
| | | | |
|------------------------|---|--------------------------------------|----------------------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 2250 B = 58 |
|------------------------|---|--------------------------------------|----------------------------------|

| C-planes | γ | Luminance in cd/m ² | | | | | | | |
|----------|----------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | |
| 45° | 45° | 39972.4 | 38154.9 | 43031.5 | 43106.9 | 37935.5 | 37441.7 | 38724.2 | |
| 50° | 50° | 35446.4 | 32971.5 | 36464.9 | 36344.2 | 30783.5 | 29485.7 | 30451.6 | |
| 55° | 55° | 30743.8 | 28029.7 | 29137.3 | 29763.1 | 25773.9 | 23296.4 | 23751.1 | |
| 60° | 60° | 25572.0 | 23245.3 | 22544.9 | 23854.2 | 21990.2 | 18783.4 | 19061.7 | |
| 65° | 65° | 21181.7 | 19099.0 | 17627.8 | 19110.3 | 18941.6 | 15910.9 | 16293.1 | |
| 70° | 70° | 18130.6 | 16142.6 | 14118.9 | 15554.0 | 16284.1 | 14084.9 | 14735.7 | |
| 75° | 75° | 15807.8 | 13628.3 | 11533.6 | 12751.4 | 13836.3 | 12605.2 | 13581.3 | |
| 80° | 80° | 13534.7 | 11244.4 | 9121.6 | 10015.0 | 11162.9 | 10769.1 | 11886.4 | |
| 85° | 85° | 10005.0 | 8196.1 | 6666.5 | 7240.1 | 8008.0 | 8146.0 | 8913.9 | |

Photometric test report

| | | |
|---------------------------------------|--|-------------------------------|
| Family Licross® 11 Recessed | Order number: 51TL12MV4HXM EAN: 4058352922514 | LP number 58689_139 |
|---------------------------------------|--|-------------------------------|

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12MV4HXM
EAN: 4058352922514

LP number
58689_139

Multilumen Table

environmental temperature: 25°C

siteco

| DIP-Step | Switch Setting | | | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|---|---|-----------------------|--------------------------|
| | 1 | 2 | 3 | | |
| 1 | A | C | E | 17260 | 89.2 |
| 2 | A | C | F | 16170 | 83.1 |
| 3 | A | D | E | 15160 | 77.4 |
| 4 | A | D | F | 14140 | 71.8 |
| 5 | B | C | E | 13110 | 66.1 |
| 6 | B | C | F | 12150 | 61.0 |
| 7 | B | D | E | 11100 | 55.5 |
| 8 | B | D | F | 10120 | 50.3 |